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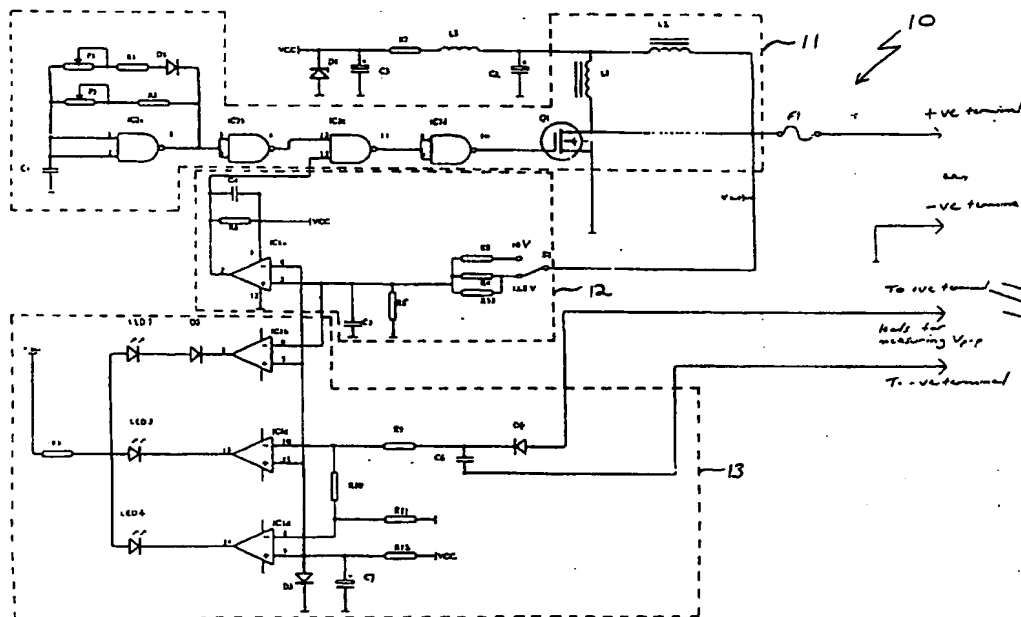
(43) International Publication Date  
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number  
**WO 2004/013926 A1**

- (51) International Patent Classification<sup>7</sup>: **H01M 10/42**, H02J 7/00, G01V 1/18
- (21) International Application Number: PCT/AU2003/000957
- (22) International Filing Date: 29 July 2003 (29.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2002950518 1 August 2002 (01.08.2002) AU
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A BATTERY CONDITIONING APPARATUS



(57) **Abstract:** An apparatus for lowering internal battery resistance, comprising a pulse generator for delivering pulses to at least one terminal of the battery and a controller for controlling the pulse generator and comprising a voltage input selector for selecting the voltage at which the controller is operated.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00957

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>				
Int. Cl. <sup>7</sup> : H01M 10/42, H02J 7/00, G01V 1/18				
According to International Patent Classification (IPC) or to both national classification and IPC				
<b>B. FIELDS SEARCHED</b>				
Minimum documentation searched (classification system followed by classification symbols)				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT,IEEE (battery, internal resistance, pulse, condition)				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	WO 01/15259 A1 (ALLIEDSIGNAL INC.) 1 March 2001 Whole document	16		
X	WO 96/35522 A1 (KONINKLIJKE PTT NEDERLAND N.V.) 14 November 1996 Abstract, figures, pages 3-7	16		
X	WO 96/17426 A1 (MANITOBA, LTD.) 6 June 1996 Whole document	21		
Y	Whole document	1,10,25		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex				
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Date of the actual completion of the international search 15 August 2003		Date of mailing of the international search report 27 AUG 2003		
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  DALE E. SIVER Telephone No : (02) 6283 2196		

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0014878 A1 (CHIANG et al.) 7 February 2002 Abstract, figures, sections 0004, 0028	1,10,21,25
Y	TANIGUCHI, S. et al. "A method for identifying the full charging point and the degree of deterioration of lead-acid batteries" 10-14 September 2000	16
Y	US 5677612 A (CAMPAGNUOLO et al.) 14 October 1997 Abstract, column 1 lines 20-24,55-61,column 3 lines 28-31, 47-51, 65 to col. 4 line 2, figure 5	1,10,21,25

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/AU03/00957

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	200115259	AU	200067915	CA	2382416	EP	1206809
		US	6258479				
WO	9635522	AU	58162/96	CA	2220364	EP	825905
		NO	975123				
WO	9617426	AU	39206/95	CA	2206431	EP	795223
		FI	972283	NO	972421	US	5648714
US	2002014878	US	6479966	US	6344729		
US	5677612	NONE					
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